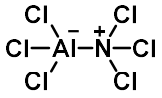
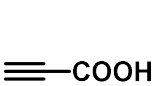
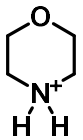
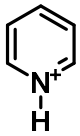
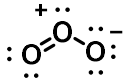
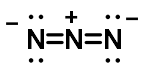
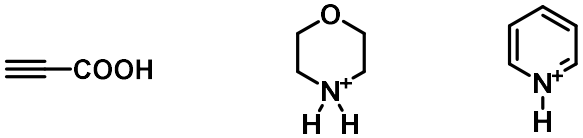
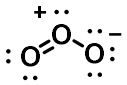
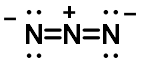
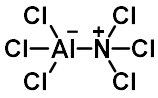
White version:

1. E
2. D
3. B
4. B
5. D
6. C
7. D
8. C
9. D
10. D
11. A
12. D
13. D
14. A, C
15. C
16. C
17. $K_{eq}=10^{-5}$, starting material
18. Nitrogen: sp
    Carbon: sp
    Amoxicillin: carbon: sp^2, nitrogen: sp^3, sulfur: sp^3, carbonyl: sp^2
19. 
20. 3, 4, 2, 1, 5
21. A. 4-isopropylnonane
    B. 3,3-dichloro-propan-1-ol
    C. 3-chlorocyclohexan-1-ol
    D. 4-fluoro-*N,N*-dimethylbutan-1-amine
22.   
23. 2, 4, 3, 1
24. A.  B. 

Blue version:

1. B
2. B
3. D
4. E
5. D
6. D
7. D
8. A
9. C
10. D
11. C
12. D
13. D
14. A, C
15. C
16. C
17. A. 4-isopropylnonane
    B. 3,3-dichloro-propan-1-ol
    C. 3-chlorocyclohexan-1-ol
    D. 4-fluoro-*N,N*-dimethylbutan-1-amine
18. 
19. 2, 4, 3, 1
20. A.  B. 
21. 
22. 3, 4, 2, 1, 5
23. $K_{eq}=10^{-5}$, starting material
24. Nitrogen: sp
    Carbon: sp
    Amoxicillin: carbon: sp^2, nitrogen: sp^3, sulfur: sp^3, carbonyl: sp^2